

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P257436

Luminaire Tested: **D3X-WG-26L840-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L840-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2598.2 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

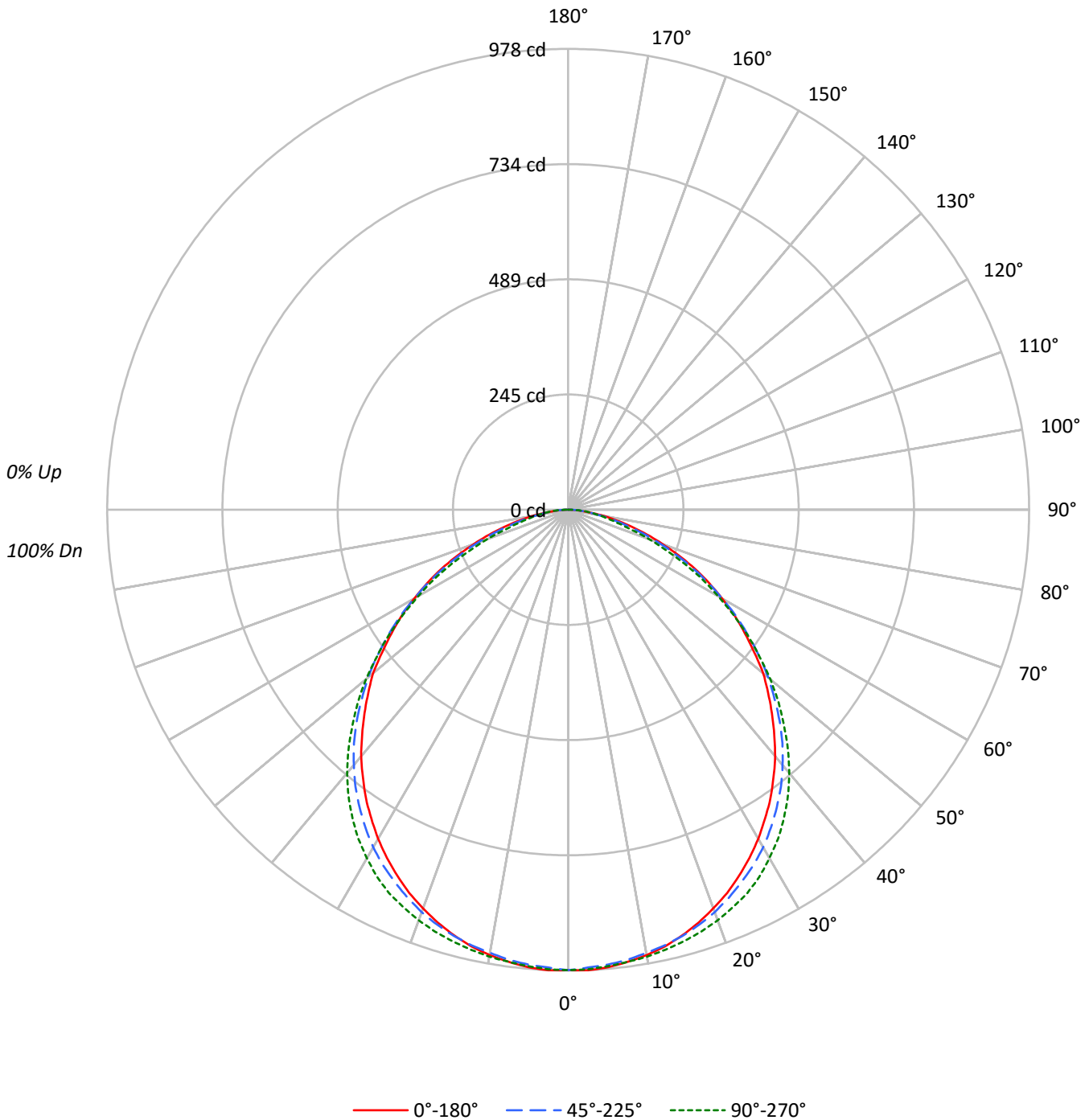
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257436

CATALOG NUMBER: D3X-WG-26L840-LD5-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257436

CATALOG NUMBER: D3X-WG-26L840-LD5-UNV-14-T1-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2629	2629	2629
5°	2633	2618	2627
10°	2622	2610	2632
15°	2606	2609	2641
20°	2578	2602	2655
25°	2546	2587	2667
30°	2505	2570	2654
35°	2458	2534	2622
40°	2400	2486	2563
45°	2326	2414	2463
50°	2262	2320	2344
55°	2148	2191	2180
60°	2032	2032	1976
65°	1887	1842	1738
70°	1673	1600	1445
75°	1449	1316	1111
80°	1189	1026	1009
85°	790	932	1003



TEST NUMBER: P257436

CATALOG NUMBER: D3X-WG-26L840-LD5-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.6
10°-20°	265.2	10.2
20°-30°	403.1	15.5
30°-40°	482.6	18.6
40°-50°	486.8	18.7
50°-60°	414.6	16.0
60°-70°	283.5	10.9
70°-80°	135.7	5.2
80°-90°	34.4	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	760.6	29.3
0°-40°	1243.2	47.8
0°-60°	2144.6	82.5
0°-90°	2598.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2598.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	977	977	977	977	977	
5°	975	974	969	974	972	93
15°	935	933	936	947	948	264
25°	858	859	871	891	898	395
35°	748	751	772	794	798	467
45°	611	616	634	647	647	472
55°	458	460	467	468	465	410
65°	296	290	289	279	273	292
75°	139	137	127	110	107	149
85°	26	28	30	31	32	33
90°	0	0	0	0	0	



TEST NUMBER: P257436

CATALOG NUMBER: D3X-WG-26L840-LD5-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.1	977.1	977.1	977.1	977.1
2.5°	978.3	977.1	972.5	977.1	976.0
5°	974.8	973.6	969.0	973.6	972.5
7.5°	967.8	966.7	963.2	967.8	967.8
10°	959.7	957.4	955.1	962.0	963.2
12.5°	949.2	946.9	946.9	955.1	956.2
15°	935.3	933.0	936.5	946.9	948.1
17.5°	919.0	917.9	923.7	936.5	938.8
20°	900.4	899.3	908.6	923.7	927.2
22.5°	880.7	880.7	891.1	908.6	913.2
25°	857.5	858.6	871.4	891.1	898.1
27.5°	833.1	835.4	850.5	872.6	878.4
30°	806.3	809.8	827.2	848.2	854.0
32.5°	777.3	780.8	800.5	822.6	828.4
35°	748.2	750.6	771.5	793.6	798.2
37.5°	715.7	719.2	741.3	761.0	765.7
40°	683.2	686.7	707.6	726.2	729.6
42.5°	647.2	651.8	672.7	687.8	690.1
45°	611.1	615.8	634.4	647.2	647.2
47.5°	575.1	577.4	593.7	606.5	605.3
50°	540.3	539.1	554.2	560.0	560.0
52.5°	497.3	500.8	511.2	514.7	511.2
55°	457.8	460.1	467.1	468.2	464.7
57.5°	419.4	418.3	424.1	420.6	415.9
60°	377.6	377.6	377.6	374.1	367.1
62.5°	336.9	334.6	333.5	325.3	321.8
65°	296.3	290.5	289.3	278.8	273.0
67.5°	253.3	251.0	245.2	234.7	224.2
70°	212.6	210.3	203.3	190.5	183.6
72.5°	175.4	173.1	163.8	148.7	139.4
75°	139.4	137.1	126.6	110.4	106.9
77.5°	105.7	104.6	94.1	86.0	84.8
80°	76.7	75.5	66.2	66.2	65.1
82.5°	48.8	48.8	46.5	47.6	48.8
85°	25.6	27.9	30.2	31.4	32.5
87.5°	8.1	12.8	15.1	16.3	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)